Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 05/25/04
Collection Date: 04/26/04

Lab Sample ID: 2293-15725

Sample ID: 6: Pit #3, Ist Floor WW Treatment

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
F-Scan Continued From Page 1						
Trichloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorofluoromethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorotrifluoroethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Xylene	ND	50	mg/L	SW846 8260	5/26/04	LLW
PCB Analysis						
ARO 1016	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1221	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1232	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1242	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1248	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1254	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1260	ND	1	mg/Kg	SW846 8082	5/27/04	LLW

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Terri White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15726

Sample ID: 7: Tank T-1, 1st Floor WW Treatment

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/26/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/26/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/26/04	EDW
pH	6.5	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	21	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	660	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7470	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7760	6/3/04	KMM
F-Scan						
Acetone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Benzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon disulfide	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon tetrachloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Chlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Cresylic acid	ND	100	mg/L	SW846 8270	5/26/04	LLW
Cresols	ND	50	mg/L	SW846 8270	5/26/04	LLW
Cyclohexanone	ND	100	mg/L	SW846 8270	5/26/04	LLW
1,2-Dichlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Diethylether	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethoxyethanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylacetate	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylbenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Isobutanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl ethyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methanol	ND	100	mg/L	SW846 8260	5/26/04	LLW
Methylene chloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl isobutlyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
n-Butylalcohol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Nitrobenzene	ND	50	mg/L	SW846 8270	5/26/04	LLW
Nitropropane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Pyridine	ND	100	mg/L	SW846 8260	5/26/04	LLW
Tetrachloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Toluene	ND	50	mg/L	SW846 8260	5/26/04	LLW

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 05/25/04
Collection Date: 04/26/04

Lab Sample ID: 2293-15726

Sample ID: 7: Tank T-1, 1st Floor WW Treatment

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
F-Scan Continued From Page 1						
Trichloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorofluoromethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorotrifluoroethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Xylene	ND	50	mg/L	SW846 8260	5/26/04	LLW

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Larri White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15727

Sample ID: 8: East Pit, 1st Floor WW Treatment

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/26/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/26/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/26/04	EDW
pH	7.2	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	42	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	580	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7470	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7760	6/3/04	KMM
F-Scan						
Acetone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Benzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon disulfide	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon tetrachloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Chlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Cresylic acid	ND	100	mg/L	SW846 8270	5/26/04	LLW
Cresols	ND	50	mg/L	SW846 8270	5/26/04	LLW
Cyclohexanone	ND	100	mg/L	SW846 8270	5/26/04	LLW
1,2-Dichlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Diethylether	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethoxyethanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylacetate	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylbenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Isobutanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl ethyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methanol	ND	100	mg/L	SW846 8260	5/26/04	LLW
Methylene chloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl isobutlyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
n-Butylalcohol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Nitrobenzene	ND	50	mg/L	SW846 8270	5/26/04	LLW
Nitropropane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Pyridine	ND	100	mg/L	SW846 8260	5/26/04	LLW
Tetrachloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Toluene	ND	50	mg/L	SW846 8260	5/26/04	LLW

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 05/25/04
Collection Date: 04/26/04

Lab Sample ID: 2293-15727

Sample ID: 8: East Pit, 1st Floor WW Treatment

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
F-Scan Continued From Page 1						
Trichloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorofluoromethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorotrifluoroethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Xylene	ND	50	mg/L	SW846 8260	5/26/04	LLW
PCB Analysis						
ARO 1016	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1221	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1232	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1242	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1248	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1254	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1260	ND	1	mg/Kg	SW846 8082	5/27/04	LLW

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Terri White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15728

Sample ID: 9: Blue Clairifyer Tank #5, 1st Floor WWT

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/26/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/26/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/26/04	EDW
pH	6.2	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	ND	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7470	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7760	6/3/04	KMM
F-Scan						
Acetone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Benzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon disulfide	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon tetrachloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Chlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Cresylic acid	ND	100	mg/L	SW846 8270	5/26/04	LLW
Cresols	ND	50	mg/L	SW846 8270	5/26/04	LLW
Cyclohexanone	ND	100	mg/L	SW846 8270	5/26/04	LLW
1,2-Dichlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Diethylether	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethoxyethanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylacetate	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylbenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Isobutanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl ethyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methanol	ND	100	mg/L	SW846 8260	5/26/04	LLW
Methylene chloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl isobutlyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
n-Butylalcohol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Nitrobenzene	ND	50	mg/L	SW846 8270	5/26/04	LLW
Nitropropane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Pyridine	ND	100	mg/L	SW846 8260	5/26/04	LLW
Tetrachloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Toluene	ND	50	mg/L	SW846 8260	5/26/04	LLW

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 05/25/04
Collection Date: 04/26/04

Lab Sample ID: 2293-15728

Sample ID: 9: Blue Clairifyer Tank #5, 1st Floor WWT

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
F-Scan Continued From Page 1						
Trichloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorofluoromethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorotrifluoroethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Xylene	ND	50	mg/L	SW846 8260	5/26/04	LLW

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Barri White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15729

Sample ID: 10: North Tank, Ist Floor WW Treatment

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/27/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/27/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/27/04	EDW
pH	7.5	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	0.7	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	1.0	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7470	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7760	6/3/04	KMM
F-Scan						
Acetone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Benzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon disulfide	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon tetrachloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Chlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Cresylic acid	ND	100	mg/L	SW846 8270	5/26/04	LLW
Cresols	ND	50	mg/L	SW846 8270	5/26/04	LLW
Cyclohexanone	ND	100	mg/L	SW846 8270	5/26/04	LLW
1,2-Dichlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Diethylether	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethoxyethanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylacetate	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylbenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Isobutanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl ethyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methanol	ND	100	mg/L	SW846 8260	5/26/04	LLW
Methylene chloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl isobutlyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
n-Butylalcohol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Nitrobenzene	ND	50	mg/L	SW846 8270	5/26/04	LLW
Nitropropane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Pyridine	ND	100	mg/L	SW846 8260	5/26/04	LLW
Tetrachloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Toluene	ND	50	mg/L	SW846 8260	5/26/04	LLW

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 05/25/04
Collection Date: 04/26/04

Lab Sample ID: 2293-15729

Sample ID: 10: North Tank, Ist Floor WW Treatment

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
F-Scan Continued From Page 1						
Trichloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorofluoromethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorotrifluoroethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Xylene	ND	50	mg/L	SW846 8260	5/26/04	LLW

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Terri L White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15730

Sample ID: 11: Manhole North of Pit #3, WW Treatment

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/27/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/27/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/27/04	EDW
pH	6.6	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	ND	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7470	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7760	6/3/04	KMM
F-Scan						
Acetone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Benzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon disulfide	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon tetrachloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Chlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Cresylic acid	ND	100	mg/L	SW846 8270	5/26/04	LLW
Cresols	ND	50	mg/L	SW846 8270	5/26/04	LLW
Cyclohexanone	ND	100	mg/L	SW846 8270	5/26/04	LLW
1,2-Dichlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Diethylether	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethoxyethanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylacetate	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylbenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Isobutanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl ethyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methanol	ND	100	mg/L	SW846 8260	5/26/04	LLW
Methylene chloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl isobutlyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
n-Butylalcohol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Nitrobenzene	ND	50	mg/L	SW846 8270	5/26/04	LLW
Nitropropane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Pyridine	ND	100	mg/L	SW846 8260	5/26/04	LLW
Tetrachloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Toluene	ND	50	mg/L	SW846 8260	5/26/04	LLW

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 05/25/04
Collection Date: 04/26/04

Lab Sample ID: 2293-15730

Sample ID: 11: Manhole North of Pit #3, WW Treatment

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
F-Scan Continued From Page 1						
Trichloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorofluoromethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorotrifluoroethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Xylene	ND	50	mg/L	SW846 8260	5/26/04	LLW
PCB Analysis						
ARO 1016	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1221	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1232	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1242	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1248	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1254	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1260	ND	1	mg/Kg	SW846 8082	5/27/04	LLW

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Lorri White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15731

Sample ID: 12: Loose Pack Paint

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/27/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/27/04	EDW
Flashpoint	75	200	°F	SW846 1010	5/27/04	EDW
pH	6.6	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	ND	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7470	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7760	6/3/04	KMM
F-Scan						
Acetone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Benzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon disulfide	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon tetrachloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Chlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Cresylic acid	ND	100	mg/L	SW846 8270	5/26/04	LLW
Cresols	ND	50	mg/L	SW846 8270	5/26/04	LLW
Cyclohexanone	ND	100	mg/L	SW846 8270	5/26/04	LLW
1,2-Dichlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Diethylether	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethoxyethanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylacetate	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylbenzene	120	50	mg/L	SW846 8260	5/26/04	LLW
Isobutanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl ethyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methanol	ND	100	mg/L	SW846 8260	5/26/04	LLW
Methylene chloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl isobutlyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
n-Butylalcohol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Nitrobenzene	ND	50	mg/L	SW846 8270	5/26/04	LLW
Nitropropane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Pyridine	ND	100	mg/L	SW846 8260	5/26/04	LLW
Tetrachloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Toluene	660	50	mg/L	SW846 8260	5/26/04	LLW

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 05/25/04
Collection Date: 04/26/04

Lab Sample ID: 2293-15731

Sample ID: 12: Loose Pack Paint

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
F-Scan Continued From Page 1						
Trichloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorofluoromethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorotrifluoroethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Xylene	490	50	mg/L	SW846 8260	5/26/04	LLW

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Lorri White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15732

Sample ID: 15: Filter Sacks and Absorbents

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/27/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/27/04	EDW
Flashpoint	134	200	°F	SW846 1010	5/27/04	EDW
pH	6.8	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	1	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	5	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7470	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7760	6/3/04	KMM
F-Scan						
Acetone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Benzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon disulfide	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon tetrachloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Chlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Cresylic acid	ND	100	mg/L	SW846 8270	5/26/04	LLW
Cresols	ND	50	mg/L	SW846 8270	5/26/04	LLW
Cyclohexanone	ND	100	mg/L	SW846 8270	5/26/04	LLW
1,2-Dichlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Diethylether	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethoxyethanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylacetate	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylbenzene	410	50	mg/L	SW846 8260	5/26/04	LLW
Isobutanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl ethyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methanol	ND	100	mg/L	SW846 8260	5/26/04	LLW
Methylene chloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl isobutlyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
n-Butylalcohol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Nitrobenzene	ND	50	mg/L	SW846 8270	5/26/04	LLW
Nitropropane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Pyridine	ND	100	mg/L	SW846 8260	5/26/04	LLW
Tetrachloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Toluene	110	50	mg/L	SW846 8260	5/26/04	LLW

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 05/25/04
Collection Date: 04/26/04

Lab Sample ID: 2293-15732

Sample ID: 15: Filter Sacks and Absorbents

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
F-Scan Continued From Page 1						
Trichloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorofluoromethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorotrifluoroethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Xylene	1800	50	mg/L	SW846 8260	5/26/04	LLW

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Barrie White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15733

Sample ID: 16: Leak Tracking Dye

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/27/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/27/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/27/04	EDW
pH	7.8	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	21	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7470	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7760	6/3/04	KMM
F-Scan						
Acetone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Benzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon disulfide	ND	50	mg/L	SW846 8260	5/26/04	LLW
Carbon tetrachloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Chlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Cresylic acid	ND	100	mg/L	SW846 8270	5/26/04	LLW
Cresols	ND	50	mg/L	SW846 8270	5/26/04	LLW
Cyclohexanone	ND	100	mg/L	SW846 8270	5/26/04	LLW
1,2-Dichlorobenzene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Diethylether	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethoxyethanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylacetate	ND	50	mg/L	SW846 8260	5/26/04	LLW
Ethylbenzene	780	50	mg/L	SW846 8260	5/26/04	LLW
Isobutanol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl ethyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methanol	ND	100	mg/L	SW846 8260	5/26/04	LLW
Methylene chloride	ND	50	mg/L	SW846 8260	5/26/04	LLW
Methyl isobutlyl ketone	ND	50	mg/L	SW846 8260	5/26/04	LLW
n-Butylalcohol	ND	50	mg/L	SW846 8260	5/26/04	LLW
Nitrobenzene	ND	50	mg/L	SW846 8270	5/26/04	LLW
Nitropropane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Pyridine	ND	100	mg/L	SW846 8260	5/26/04	LLW
Tetrachloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Toluene	160	50	mg/L	SW846 8260	5/26/04	LLW

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 05/25/04
Collection Date: 04/26/04

Lab Sample ID: 2293-15733

Sample ID: 16: Leak Tracking Dye

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
F-Scan Continued From Page 1						
Trichloroethene	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorofluoromethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Trichlorotrifluoroethane	ND	50	mg/L	SW846 8260	5/26/04	LLW
Xylene	2400	50	mg/L	SW846 8260	5/26/04	LLW

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Lorri White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15734

Sample ID: 17: 1st Submersion Tank, Zinc Phosphate Line

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/28/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/28/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/28/04	EDW
pH	6.2	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	3.8	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	1.9	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	0.5	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7471	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7761	6/3/04	KMM

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Laurie White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15735

Sample ID: 18: 2nd Submersion Tank, Zinc Phosphate Line

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/28/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/28/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/28/04	EDW
pH	6.4	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	ND	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7471	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7761	6/3/04	KMM

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Laura White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15736

Sample ID: 19: Stage Five Tank, Zinc Phosphate Line

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/28/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/28/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/28/04	EDW
pH	6.1	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	ND	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7471	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7761	6/3/04	KMM

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Laurie White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004
Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Lab Sample ID: 2293-15737

Sample ID: 20: SWMU #4, Column C-4

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/28/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/28/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/28/04	EDW
pH	7.3	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	0.6	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7471	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7761	6/3/04	KMM

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Lori White
Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Lab Sample ID: 2293-15738

Sample ID: 21; SWMU #4, Column D-4

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/28/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/28/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/28/04	EDW
pH	7.6	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	0.5	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7471	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7761	6/3/04	KMM

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: *Lorri White*

Date: *6/11/04*

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15740

Sample ID: 23: 7th Floor West Elevator Room

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
PCB Analysis						
ARO 1016	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1221	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1232	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1242	20	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1248	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1254	ND	1	mg/Kg	SW846 8082	5/27/04	LLW
ARO 1260	ND	1	mg/Kg	SW846 8082	5/27/04	LLW

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Tami White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15739

Sample ID: 22: SWMU #4, Column E-4

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/28/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/28/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/28/04	EDW
pH	8.1	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	0.8	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7471	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7761	6/3/04	KMM

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Terri White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15741

Sample ID: 24: Stearate Cleanout

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/29/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/29/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/29/04	EDW
pH	6.2	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	ND	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7471	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7761	6/3/04	KMM

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Terri White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15742

Sample ID: 25: Grey-Black Pellet Material

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/29/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/29/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/29/04	EDW
pH	7.4	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	ND	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7471	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7761	6/3/04	KMM

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Laurie White

Date: 6/11/04

Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: June 11, 2004

Customer: IRWS
12632 10 Mile Road
South Lyon, MI 48178

Project Name: Carter Color Coat
Project Number: 04-270
Submit Date: 5/25/04
Collection Date: 4/26/04

Lab Sample ID: 2293-15743

Sample ID: 26: White Granular Solid

Parameters	Result	Detection Level	Units	Method Reference	Analysis Date	Analyst
RIC Analysis						
Reactive Cyanide	ND	50	mg/Kg	SW846 9014	5/29/04	EDW
Reactive Sulfide	ND	50	mg/Kg	SW846 9030	5/29/04	EDW
Flashpoint	DNF	200	°F	SW846 1010	5/29/04	EDW
pH	6.8	1-14		SW846 9045C	5/25/04	JAW
TCLP Metals Analysis						
Arsenic	ND	0.5	mg/L	SW846 7060	6/1/04	KMM
Barium	ND	0.5	mg/L	SW846 7081	6/1/04	KMM
Cadmium	ND	0.5	mg/L	SW846 7130	6/3/04	KMM
Chromium	ND	0.5	mg/L	SW846 7190	6/3/04	KMM
Lead	ND	0.5	mg/L	SW846 7420	6/3/04	KMM
Mercury	ND	0.1	mg/L	SW846 7471	6/3/04	KMM
Selenium	ND	0.5	mg/L	SW846 7740	6/1/04	KMM
Silver	ND	0.5	mg/L	SW846 7761	6/3/04	KMM

Parameter- The analysis performed or name of the chemical analyzed.
Result- The reported concentration in the sample at or above reg level
Detection Limit- Lowest concentration level reported
Units- The unit which corresponds to the reported concentration
Method Reference- The method used to provide results.
Analysis Date- Date the analysis was performed
Analyst- Initials of the analyst performing the analysis
ND- Parameter not detected above the reported LRL

Reviewed By: Laura White

Date: 6/11/04

Lakeland Laboratories, Inc.

Phone: 734-878-3400

CHAIN-OF-CUSTODY RECORD

FAX: 734-878-3981

CLIENT	ADDRESS
IRWS, INC	12632 10 Mile RD
PROJECT NO. 04-270	**PROJECT NAME** CARTER COLOR COAT
PHONE NO. 248-446-5052	
CLIENT CONTACT LARRY THOMPSON	**SAMPLER** CADDY THOMPSON / RUSSERS

ITEM NO.	SAMPLE NUMBER	DATE	MATRIX	COMP	GRAB	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	PIC	METALS, TKLP	F-SERIES SAN	PCB	2 WEEK TAT	1 WEEK TAT	48 HR. RUSH	SPECIAL	LAB #
1	1	4/26	L	X		ALKALINE - NUETRAL BUFFER + TEST SOLN'S	1	X	X				✓			
2	2	4/26	L	X		ACIDIC BUFFER + TEST SOLUTIONS	1	X	X				✓			
3	3	4/26	S	X		MISC. INERT SOLIDS	1	X	X	X	X		✓			
4	4	4/26	L	X		MISC LIQUIDS	1	X	X	X	X		✓			
5	6	4/26	L	X	X	PIT #3, 1ST FLOOR WW TREATMENT	1	X	X	X	X		✓			
6	7	4/26	L		X	TANK T-1, 1ST FLOOR WW TREATMENT	1	X	X	X			✓			
7	8	4/26	L		X	EAST PIT, 1ST FLOOR WW TREATMENT	1	X	X	X	X		✓			
8	9	4/26	S		X	BLUE CLAIRIFYER TANK #5, 1ST FLOOR WWT	1	X	X	X			✓			
9	10	4/26	L		X	NORTH TANK, 1ST FLOOR WW TREATMENT	1	X	X	X			✓			
10	11	4/26	S		X	MANHOLE NORTH OF PIT #3, WW TREATMENT	1	X	X	X	X		✓			

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)

TRANS. NO.	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1		[signature]	E. White	5-25-04	4:45
2					
3					
4					

REMARKS

SAMPLER'S SIGNATURE:

WHITE COPY - ORIGINAL CANARY COPY - LAB PINK COPY - CLIENT

Lakeland Laboratories, Inc.

Phone: 734-878-3400

CHAIN-OF-CUSTODY RECORD

FAX: 734-878-3981

CLIENT	ADDRESS	
IRWS, INC	12632 10 Mile RD	
PROJECT NO.	PROJECT NAME	PHONE NO.
04-270	CARTER Color Coat	248-446-5052
CLIENT CONTACT	SAMPLER	
Larry Thompson	Larry Thompson / Rob Cerps	

ITEM NO.	SAMPLE NUMBER	DATE	MATRIX	COMP	GRAB	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)													LAB #
									RIC	METALS, TCLP	F. SERIES SVOA	PCB							2 WEEK TAT	1 WEEK TAT	48 HR. RUSH	SPECIAL	
1	12	4/26	L	X		Loose Pack Paint	1		X	X	X								L				
2	15	4/26	S		X	Filter Socks + Absorbents	1		X	X	X								L				
3	16	4/26	L	X		Leak Tracking Dye	1		X	X	X								L				
4	17	4/26	S		X	1st Submersion Tank, Zinc phosphate Line	1		X	X									L				
5	18	4/26	S		X	2nd Submersion Tank, Zinc phosphate Line	1		X	X									L				
6	19	4/26	S		X	Stage Five Tank, Zinc phosphate Line	1		X	X									L				
7	20	4/26	S		X	SWMU #4, Column C-4	1		X	X									L				
8	21	4/26	S		X	SWMU #4, Column D-4	1		X	X									L				
9	22	4/26	S		X	SWMU #4, Column E-4	1		X	X									L				
10	23	4/26	L		X	7th Floor West Elevator Room	1					X							L				

TRANS. NO.	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1			E White	5-25-04	4:45
2					
3					
4					

REMARKS

SAMPLER'S SIGNATURE:

WHITE COPY - ORIGINAL CANARY COPY - LAB PINK COPY -

Lakeland Laboratories, Inc.

Phone: 734-878-3400

CHAIN-OF-CUSTODY RECORD

FAX: 734-878-3981

CLIENT: IRWS, INC	ADDRESS: 12632 10 Mile ROAD		
PROJECT NO.: 04-270	PROJECT NAME: CARTER Color Coat	PHONE NO.: 248-446-5052	
CLIENT CONTACT: LARRY THOMPSON	SAMPLER: LARRY THOMPSON / ROB ERPS.		

ITEM NO.	SAMPLE NUMBER	DATE	MATRIX	COMP	GRAB	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)												LAB #
									RIC	METALS, TCLP								2 WEEK TAT	1 WEEK TAT	48 HR. RUSH	SPECIAL	
1	24	4/26	S		X	STEARATE CLEANOUT	1		X	X								✓				
2	25	4/26	S		X	GREY-BLACK PELLET MATERIAL	1		X	X								✓				
3	26	4/26	S		X	WHITE GRANULAR SOLID	1		X	X								✓				
4																						
5																						
6																						
7																						
8																						
9																						
10																						

TRANS. NO.	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1		[signature]	E White	5-25-04	4:45
2					
3					
4					

REMARKS

SAMPLER'S SIGNATURE:

WHITE COPY - ORIGINAL CANARY COPY - LAB

APPENDIX D

MSDS and Label Information

MATERIAL SAFETY DATA SHEET

Ashland

Date Prepared: 07/06/00
Date Printed: 04/30/04
MSDS No: 503.0191984-001.009

VIO-LITE AC DYE

---

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity
Product Name: VIO-LITE AC DYE
General or Generic ID: ALIPHATIC HYDROCARBON

Company
Ashland
Ashland Distribution Co. &
Ashland Specialty Chemical Co.
P. O. Box 2219
Columbus, OH 43216
614-790-3333

Emergency Telephone Number:
1-800-ASHLAND (1-800-274-5263)
24 hours everyday

Regulatory Information Number:
1-800-325-3751

---

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
ALIPHATIC HYDROCARBONS	Trade Secret	70.0- 80.0

---

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

May cause mild eye irritation.

Skin

May cause mild skin irritation.

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Continued on next page

Inhalation
Breathing of vapor or mist is possible.

Symptoms of Exposure
stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways).

Target Organ Effects
No data

Developmental Information
No data

Cancer Information
No data

Other Health Effects
No data

Primary Route(s) of Entry
Inhalation, Skin contact.

---

4. FIRST AID MEASURES

Eyes
If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin
Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing
Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Continued on next page

Inhalation
If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians
This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting.

---

5. FIRE FIGHTING MEASURES

Flash Point
310.0 F (154.4 C) COC

Explosive Limit
No data

Autoignition Temperature
No data

Hazardous Products of Combustion
May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Fire and Explosion Hazards
Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media
regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions
Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

Continued on next page

NFPA Rating
Health - 0, Flammability - 1, Reactivity - 0

---

6. ACCIDENTAL RELEASE MEASURES

Small Spill
Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

Large Spill
Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occured.

---

7. HANDLING AND STORAGE

Handling
Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage
Not applicable

---

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection
Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Continued on next page

Skin Protection
Wear resistant gloves such as: neoprene, To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protections
If workplace exposure limit(s) of product or any component is exceeded (See Exposure Guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (consult your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls
Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines
Component

ALIPHATIC HYDROCARBONS
No exposure limits established

---

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point
(for product) > 300.0 F (148.8 C) @ 760.00 mmHg

Vapor Pressure
Not applicable

Specific Vapor Density
> 1.000 @ AIR=1

Specific Gravity
.830 @ 68.00 F

Continued on next page

Liquid Density
6.910 lbs/gal @ 68.00 F
.830 kg/l @ 20.00 C

Percent Volatiles (Including Water)
No data

Evaporation Rate
Not applicable

Appearance
No data

State
LIQUID

Physical Form
HOMOGENEOUS SOLUTION

Color
BROWN/YELLOW

Odor
No data

pH
Not applicable

---

10. STABILITY AND REACTIVITY

Hazardous Polymerization
Product will not undergo hazardous polymerization.

Hazardous Decomposition
May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Continued on next page

Chemical Stability
Stable.

Incompatibility
Avoid contact with: strong oxidizing agents.

---

11. TOXICOLOGICAL INFORMATION

No data

---

12. ECOLOGICAL INFORMATION

No data

---

13. DISPOSAL CONSIDERATION

Waste Management Information
Destroy by liquid incineration. Contaminated absorbent may be deposited in a landfill in accordance with local, state and federal regulations.

---

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101
DOT Description:
Not Regulated

Container/Mode:
CASES/SURFACE - NO EXCEPTIONS

NOS Component:
None

Continued on next page

) (Reportable Quantity) - 49 CFR 172.101
Not applicable

---

5. REGULATORY INFORMATION

; Federal Regulations
TSCA (Toxic Substances Control Act) Status
TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4
None

SARA 302 Components - 40 CFR 355 Appendix A
None

Section 311/312 Hazard Class - 40 CFR 370.2
Immediate(X) Delayed( ) Fire( ) Reactive( ) Sudden Release of Pressure( )

SARA 313 Components - 40 CFR 372.65
None

nternational Regulations
Inventory Status
Not determined

tate and Local Regulations
California Proposition 65
None

---

6. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Last page

OURCE:ASHLAND INC WTR, EASYWTR

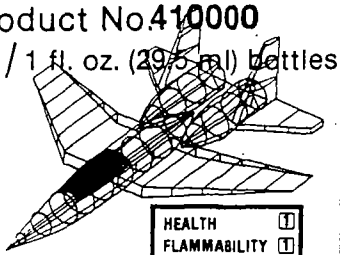
Product No. 410000

(24) / 1 fl. oz. (29.5 ml) bottles

Dye-Lite™

LEAK DETECTOR TRACER DYE

Aircraft Reciprocating
Engine Oil Systems

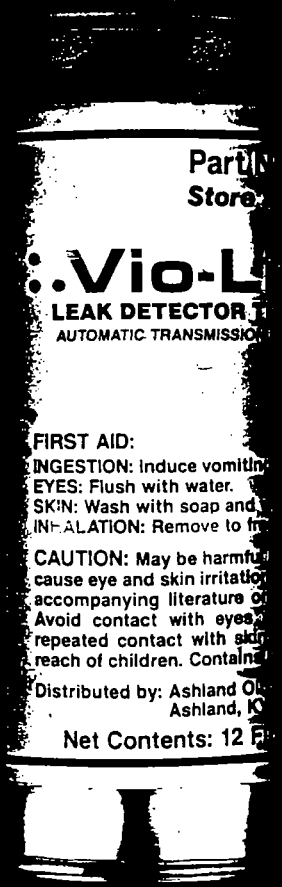


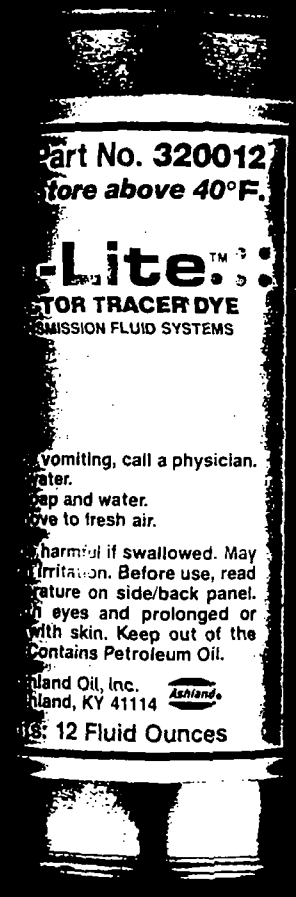
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

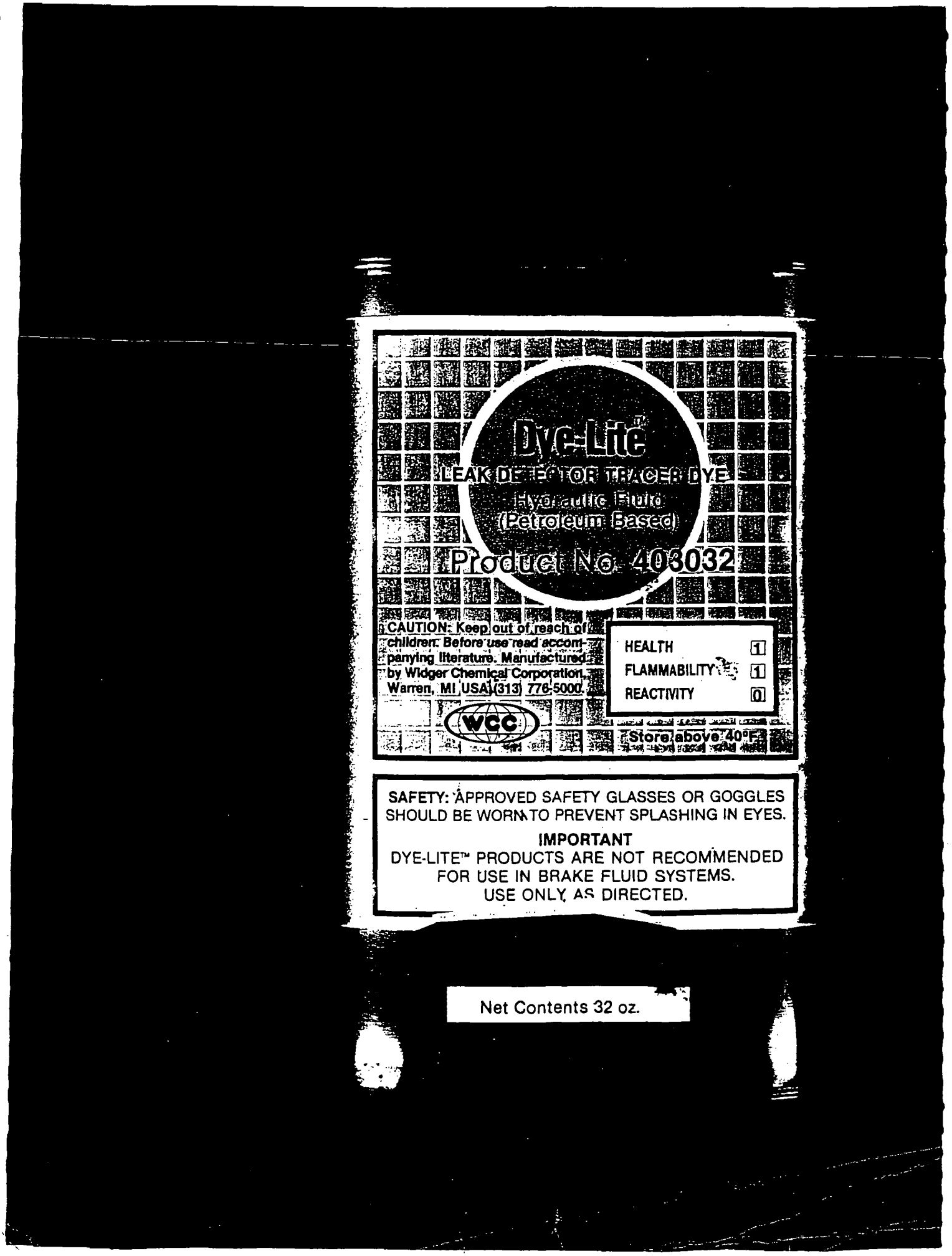
Manufactured By
WIDGER CHEMICAL CORPORATION
13650 E. 10 Mile Road, Warren,
Michigan 48089, U.S.A.
Telephone: (313) 778-5000

WCC

Store above 40°F
Before use read
accompanying literature.


Part
Store
.Vio-L
LEAK DETECTOR
AUTOMATIC TRANSMISSIO
FIRST AID:
INGESTION: Induce vomitin
EYES: Flush with water.
SKIN: Wash with soap and
INHALATION: Remove to fr
CAUTION: May be harmfu
cause eye and skin irritatio
accompanying literature c
Avoid contact with eyes
repeated contact with ski
reach of children. Contains
Distributed by: Ashland O
Ashland, K
Net Contents: 12 F


art No. 320012
tore above 40°F.
-Lite.™
TOR TRACER DYE
MISSION FLUID SYSTEMS
vomiting, call a physician.
ater.
ap and water.
ve to fresh air.
harmful if swallowed. May
irritation. Before use, read
ature on side/back panel.
eyes and prolonged or
ith skin. Keep out of the
Contains Petroleum Oil.
land Oil, Inc.
land, KY 41114
Ashland
12 Fluid Ounces


Dye-Lite
LEAK DETECTOR TRACER DYE
Hydraulic Fluid
(Petroleum Based)
Product No. 403032
CAUTION: Keep out of reach of children. Before use read accompanying literature. Manufactured by Widger Chemical Corporation, Warren, MI USA (313) 776-5000.
WCC
HEALTH 1
FLAMMABILITY 1
REACTIVITY 0
Store above 40°F
SAFETY: APPROVED SAFETY GLASSES OR GOGGLES SHOULD BE WORN TO PREVENT SPLASHING IN EYES.
IMPORTANT
DYE-LITE™ PRODUCTS ARE NOT RECOMMENDED FOR USE IN BRAKE FLUID SYSTEMS.
USE ONLY AS DIRECTED.
Net Contents 32 oz.

INSTRUCTIONS FOR USE
DYE-LITE APPLICATION AND INSPECTION PROCEDURES

Step 1: Add the correct tracer dye additive following the recommended dilution ratio listed in Table I to the system being inspected. **Note:** Host fluid may appear slightly discolored after adding dye concentrate, but this will not alter or change its physical or chemical properties.

Step 2: Operate the system being tested for a few minutes to allow thorough mixing of dye to host fluid. Check for sufficient fluorescence by shining UV inspection light on system "dipstick" or filler hole.

In some instances, a short flight may be necessary to allow the dye-host fluid mixture to penetrate all leaks prior to inspection.

Step 3: Inspect the system being tested by shining the ultraviolet inspection light (black light) over areas suspected of leaks. The location of leak source will be quickly and accurately identified by the yellow-green fluorescent glow. **Note:** Depending on the type and intensity of UV light, best results will be achieved in conditions of minimum outside ambient lighting.

After completing Steps 1-3 and leak has been repaired, the dye fluid mixture can be removed by using solvent or any good shop cleaner. Now repeat steps 2 and 3, without additional dye application, to assure that leak has been repaired successfully and that no other leaks exist. **Note:** It is not necessary to change fluids because dye has been added. Dye-Lite™ products, used properly, are 100% compatible and have no long-term harmful effects.

TABLE I — RECOMMENDED APPLICATION USAGE

* 410000 (WC-4100) 1 ounce per 4 fluid quarts Aircraft Reciprocating Engine Oil
* 418000 (WC-4180) 1 ounce per 4 fluid quarts Aircraft Turbine Engine Oil
** 460000 (WC-4600) 1 ounce per 8 fluid quarts (2 gal) of AVGAS
** 470000 (WC-4780) 1 ounce per 8 fluid quarts (2 gal) of Jet Fuel
403000 (WC-4030) 1 ounce per 4 fluid quarts of Hydraulic Fluid — (petroleum based)
408000 (WC-4080) 1 ounce per 4 fluid quarts of Hydraulic Fluid — (synthetic)

*Additional additive may be necessary depending upon hours of operation on oil.
**Consult your distributor, or WCC direct, for special application procedure.

NET CONTENTS
32 OUNCES
TRACER DYES FOR FIXED AND ROTARY AIRCRAFT SYSTEMS

410000 (WC-4100) Aircraft Reciprocating Engine Oil
418000 (WC-4180) Aircraft Turbine Engine Oil
460000 (WC-4600) Avgas Fuel System
470000 (WC-4700) Jet Fuel System
403000 (WC-4030) Hyd. System (petroleum based)
408000 (WC-4080) Hyd. System (synthetic)

HARRISON PAINT CO. DIV.
EXCELSIOR COATINGS, INC.
1329 HARRISON AVE.
CANTON,OHIO 44706

INFORMATION PHONE: 330-455-5125
EMERGENCY PHONE: 800/255-3924
PREPARER: AJM

PREPARATION DATE: 1/17/03 REPLACES DATE: 4/20/98

SECTION I - PRODUCT IDENTIFICATION

HIGH TEMP OVEN CEMENT – E1111 – 111095

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. % IS LESS THAN	(TLV-TWA)	OCCUPATIONAL EXPOSURE LIMITS (TLV-STEL)	(PEL)	VAPOR PRESSURE MgHg 20C	KNOWN OR SUSPECTED CARCINOGEN	SEC 313
PETROLEUM ASPHALT	8052-42-4	35.0%	5MG/ME	NO INFO	NO INFO	2.9	YES	NO
PARAFFINIC MINERAL OIL	64742-62-7	5.0%	NO INFO	NO INFO	50 PPM	0.0	NO	NO
MINERAL SPIRITS	64741-92-0	30.0%	100 PPM	200 PPM	NO INFO	2.6	NO	NO

THIS PRODUCT CONTAINS ONE OR MORE MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND THE COMMUNITY RIGHT-TO-KNOW ACTS OF 1986 AND OF 40 CFR 372.

SECTION III - PHYSICAL DATA

Boiling Range:	300-383 F	Vapor Density	Is heavier than air
Odor:	Typical Solvent	Evaporation Rate:	Is slower than ether
Appearance:	Black Viscous	Solubility:	None
Volatile by Weight:	17.3%	Product Density:	8.1 lbs/gal (U.S.)
Volatile by Volume:	19.0%		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flammability Classification:
OSHA – COMBUSTIBLE LIQUID – CLASS IIIA
DOT - COMBUSTIBLE LIQUID

FLASH POINT: 141 F. (TAGLIABUE CLOSED CUP) LEL: 0.7% UEL: 6.7%

Extinguishing Media: FOAM CARBON DIOXIDE DRY CHEMICAL

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

UNUSUAL FIRE AND EXPLOSION HAZARDS: WATER MAY BE USED TO COOL CLOSED CONTAINERS NOT INVOLVED IN THE FIRE ITSELF. TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.
SPECIAL FIRE FIGHTING PROCEDURES: TREAT AS A CLASS BE FIRE. DO NOT USE DIRECT WATER STREAM. PRODUCT MAY FLOAT ON SURFACE. IF IGNITED WILL SPREAD FIRE RAPIDLY. FIRE FIGHTERS SHOULD WEAR NIOSH/OSHA APPROVED PRESSURE DEMAND, SELF CONTAINED BREATHING APPARATUS. SPILL WILL MAKE SURFACE SLIPPERY - EXERCISE DUE CAUTION.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE; Eyes: Irritant, discomfort, blurred vision, burning. Skin: Prolonged or repeated skin contact may result in irritation, sensitization and dermatitis. Contact with hot product will cause thermal burns. Clothing saturated with mineral spirits can cause second degree burns. Ingestion: May cause mouth, throat and gastrointestinal tract irritation, nausea, vomiting and diarrhea. Inhalation: Vapors may cause damage to the central nervous system and cause respiratory irritation, muscular weakness, confusion, impaired coordination, headache and nausea. Medical conditions prone to aggravation by exposure: Pre-existing sensitivity to solvents can cause a heightened reaction by exposure to this product. Respiratory ailments.

PRIMARY ROUTE(S) OF ENTRY: INHALATION DERMAL INGESTION

Emergency and first aid procedures: Eyes: Flush with large amounts of cool water for at least 15 minutes – consult a physician. Inhalation: Remove to fresh air, administer oxygen if available to restore breathing. Skin: If hot asphalt strikes skin, immediately drench or immerse the area in water to assist cooling. If available, use iced water or ice packs to the burned area. (DO NOT USE ICED WATER OR ICE PACKS IF THE BURNED AREA COVERS MORE THAN 10% OF THE BODY, AS THIS MAY CONTRIBUTE TO SHOCK. Do not try to remove asphalt from a burn after it has cooled. Seek medical attention. Medical personnel can soften and remove cooled asphalt with petroleum jelly. For cold material, clean exposed skin with waterless hand cleaner. Contaminated clothing should be removed immediately. Wipe excess material from skin. Wash with mild soap and water. Seek medical attention if irritation persists. If Ingested: Do not induce vomiting. Aspiration of material into lungs due to vomiting can cause severe chemical pneumonitis, which can be fatal. Seek immediate medical attention. NOT TO PHYSICIAN: Perform gastric lavage in accordance with procedures for ingestion of petroleum products.

CHRONIC DATA – There are no studies to indicate that exposure to asphalt causes cancer or respiratory damage in man. However, this petroleum based product contains small amounts of polycyclic aromatic hydrocarbons which have been shown to cause cancer and respiratory damage in laboratory animals. Prolonged or repeated skin contact with this product may result in defatting and drying of the skin, which may lead to irritation and dermatitis. In laboratory animal studies, prolonged or repeated inhalation exposures to hydrocarbon vapors similar to mineral spirits have resulted in kidney defects in male rats. The implications of these results for humans have not yet been determined.

CARCINOGENICITY:

HAZARDOUS INGREDIENTS	LISTED AS A CARCINOGEN BY:	AGGIH	IARC	NTP	OSHA
Extracts of steam and air refined bitumens (such as mineral spirits cutback asphalt)		No	Yes	No	No
Mineral Spirits		No	No	No	No

IARC: In March, 1987, the International Agency for Research on Cancer (IARC) classified extracts of steam and air refined bitumens (such as cutback asphalt) as possibly carcinogenic to humans (Group 2B). This classification as based on a combined evaluation of published human and animal studies. IARC concluded that the human studies did not provide adequate evidence that extracts of steam and air-refined bitumens caused cancer in humans. No epidermiological study of workers exposed on to bitumens is available. The 2B classification was substantially based on experimental animal studies. Some bitumens (asphalt) diluted, dissolved or liquified in solvents (e.g. cutback asphalt) have produced skin cancer in laboratory animals at the sites of application. Based on skin-painting data in laboratory animals, IARC has concluded that there is sufficient evidence of carcinogenicity of those extracts. IARC regards it as prudent to treat a material for which there is sufficient evidence of carcinogenicity in animals as if it is carcinogenic in humans.

ADDITIONAL INFORMATION: This petroleum based product contains small amounts of poly-cyclic aromatic hydrocarbons which have been shown to cause cancer and respiratory damage in laboratory animals. Therefore, the good, prudent industrial hygiene practices outlined in this MSDS should be followed.

SECTION VI - REACTIVITY DATA

STABILITY:	THIS PRODUCT IS TABLE UNDER NORMAL STORAGE
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR UNDER NORMAL CONDITIONS
HAZARDOUS DECOMPOSITION PRODUCTS:	OXIDES OF CARBON, UNIDENTIFIED ORGANIC CONSTITUENTS
CONDITIONS TO AVOID:	DO NOT STORE OR USE NEAR OPEN FLAMES OR IN AREAS OF HIGH TEMPERATURE.
INCOMPATABILITY:	STRONG OXIDIZERS

SECTION VII - SPILL OR LEAKAGE PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CONTAIN SPILL, NOTIFY APPROPRIATE COMPANY PERSONNEL. AVOID SPARKS, FLAMES AND ANYTHING WHICH COULD CAUSE FIRE.

WASTE DISPOSAL METHOD: CHECK COMPANY'S POLICY ON DISPOSAL. DISPOSAL SHOULD BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATOR PROTECTION: NIOSH/OSHA APPROVED RESPIRATOR TYPES, SUITABLE FOR MATERIALS IN SECION II RECOMMENDED. APPROVED CHEMICAL/MECHANICAL FILTERS RECOMMENDED WHEN VENTILATION IS RESTRICTED.

NTILATION: SUFFICIENT VENTILATION IN VOLUME AND PATTERN SHOULD BE PROVIDED TO KEEP AIR NTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMITS OR ACGHI'S TLV LIMIT.

OTECTIVE GLOVES: USE IMPERMEABLE GLOVES..
E PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED.
HER PROTECTIVE EQUIPMENT: IMPERVIOUS BOOTS AND APRON TO MINIMIZE SKIN CONTACT.
GIENIC PRACTICES: WASH HANDS BEFORE AND AFTER USE.

SECTION IX - SPECIAL PRECAUTIONS

ECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: ORE IN CLEAN DRY AREA IN PROPERLY LABELED CONTAINERS. READ COMPLETE DIRECTIONS AND PRECAUTIONS FORE USE. NO SMOKING SIGNS SHOULD BE POSTED AND ENFORCED. KEEP CONTAINERS CLOSED WHEN NOT IN E. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.

HER PRECAUTIONS: ALL CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER OR TURNED TO A DRUM RECONDITIONER.

SECTION X - HMIS RATINGS

IS RATING:	HEALTH: 2	FLAMMABILITY: 2	REACTIVITY: 0	
PA RATING:	HEALTH: 2	FLAMMABILITY: 3	REACTIVITY: 0	SPECIAL INFO: NONE REQUIRED

SECTION XI - STATE REGULATIONS

IFORNIA PROPOSITION 65: NOT LISTED PENNSYLVANIA RIGHT TO KNOW: REQUIRES LISTING-SEE SECTION AZARDOUS INGREDIENTS. THE SPECIFIC FORMULATION IS A TRADE SECRET. INFORMATION IS AVAILABLE TO LTH PROFESSIONALS AS SPECIFIED IN SECTION 317.3 OF THE PROGRAM.

INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, CE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF SULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE SPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND GULATIONS.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name:	Industrial Choice Aerosol - Inverted Striping	Revision Date:	05/13/2003
Identification Number:	1691838, 1627838, 1665838, 1677838, 1648838		
Product Use/Class:	Inverted Striping Paint/Aerosol		
Supplier:	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA	Manufacturer:	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA
Preparer:	Department, Regulatory		

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Liquified Petroleum Gas	68476-86-7	25.0	1000 PPM	N.E.	1000 PPM	N.E.
Toluene	108-88-3	20.0	50 PPM	N.E.	200 PPM	300 PPM
Titanium Dioxide	13463-67-7	15.0	10 mg/m3	N.E.	10 mg/m3	N.E.
Modified Alkyd	PROPRIETARY	15.0	N.E.	N.E.	N.E.	N.E.
Modified Alkyd	PROPRIETARY	10.0	N.E.	N.E.	N.E.	N.E.
Aliphatic Hydrocarbon	MIXTURE	10.0	300 PPM	N.E.	300 PPM	N.E.
Naphtha	8032-32-4	10.0	300 PPM	N.E.	N.E.	N.E.
Aliphatic Petroleum Distillates	64742-89-8	10.0	400 PPM	N.E.	400 PPM	N.E.
Xylene	1330-20-7	10.0	100 PPM	150 PPM	100 PPM	N.E.
Acetone	67-64-1	5.0	500 PPM	750 PPM	750 PPM	N.E.
Stoddard Solvents	8052-41-3	5.0	100 PPM	N.E.	500 PPM	N.E.
Ethylbenzene	100-41-4	5.0	100 PPM	125 PPM	100 PPM	N.E.
Pigment Black 7	1333-86-4	5.0	3.5 mg/m3	N.E.	3.5 mg/m3	N.E.
Aromatic Hydrocarbon	64742-95-6	5.0	N.E.	N.E.	N.E.	N.E.
1,2,4-Trimethylbenzene	95-63-6	5.0	25 PPM	N.E.	N.E.	N.E.
Pigment Red 170	2786-76-7	5.0	N.E.	N.E.	N.E.	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Contents Under Pressure. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Vapors may cause flash fire or explosion. Extremely flammable liquid and vapor. Harmful if swallowed.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Prolonged or repeated contact may cause skin irritation. Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs. Avoid breathing vapors or mists. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Harmful if inhaled.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: IARC lists Ethylbenzene as a possible human carcinogen (group 2B). May cause central nervous system disorder (e,g.,narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. Overexposure to toluene in laboratory animals has been associated with liver abnormalities, kidney, lung and spleen damage. Effects in humans have included liver and cardiac abnormalities.
Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hampster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.
Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Govermental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: -156 F
(Setaflash)

LOWER EXPLOSIVE LIMIT: 1.0 %
UPPER EXPLOSIVE LIMIT : 12.8 %

Extinguishing Media: Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: Keep containers tightly closed. Vapors can travel to a source of ignition and flash back. Vapors may form explosive mixtures with air. FLASH POINT IS LESS THAN 20 DEG. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Closed containers may explode when exposed to extreme heat. Water spray may be ineffective. Perforation of the pressurized container may cause bursting of the can. Isolate from heat, electrical equipment, sparks and open flame.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

Section 7 - Handling And Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Avoid breathing vapor or mist. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 degrees F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 degrees F.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment.

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Boiling Range:	130 - 410 F	Vapor Density:	Heavier than air
Odor:	Solvent Like	Odor Threshold:	ND
Appearance:	Liquid	Evaporation Rate:	Faster than Ether
Solubility in H2O:	Slight		
Freeze Point:	ND	Specific Gravity:	
Vapor Pressure:		PH:	NE
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid all possible sources of ignition. Avoid temperatures above 120 degrees F.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

Chemical Name	LD50	LC50
Liquified Petroleum Gas	N.D.	N.D.
Toluene	N.D.	N.D.
Titanium Dioxide	>7500 mg/kg (ORAL, RAT)	N.D.
Modified Alkyd	N.D.	N.D.
Modified Alkyd	4300 mg/kg (ORAL, RAT)	5000 PPM (INH 4Hr, RAT)
Aliphatic Hydrocarbon	N.D.	N.D.
Naphtha	>5000 mg/kg (ORAL, RAT)	N.D.
Aliphatic Petroleum Distillates	N.D.	N.D.
Xylene	N.D.	N.D.
Acetone	N.D.	N.D.
Stoddard Solvents	N.D.	N.D.
Ethylbenzene	3500 mg/kg (ORAL, RAT)	N.D.
Pigment Black 7	>8000 mg/kg (ORAL, RAT)	N.D.
Aromatic Hydrocarbon	N.D.	N.D.
1,2,4-Trimethylbenzene	N.D.	18000 mg/m3 (RAT, 4 HR)
Pigment Red 170	<10000 mg/kg (ORAL, RAT)	N.D.

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Aerosol	Packing Group:	—
DOT Technical Name:	—	Hazard Subclass:	1
DOT Hazard Class:	2	Resp. Guide Page:	126
DOT UN/NA Number:	UN 1950		

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS Number
Toluene	108-88-3
Xylene	1330-20-7
Ethylbenzene	100-41-4
Aromatic Hydrocarbon	64742-95-6
1,2,4-Trimethylbenzene	95-63-6

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None known

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name	CAS Number
Calcium Carbonate	1317-65-3

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name	CAS Number
Calcium Carbonate	1317-65-3

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS Number
Microcrystalline Silica	14808-60-7
Benzene	71-43-2
Arsenic Compounds	NOT SPECIFIED
Cadmium Compounds	NOT SPECIFIED
Acetaldehyde	75-07-0
Nickel Compounds	NOT SPECIFIED
Formaldehyde	50-00-0
Lead Compounds	NOT SPECIFIED

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

Chemical Name	CAS Number
Toluene	108-88-3
Benzene	71-43-2
Arsenic Compounds	NOT SPECIFIED
Cadmium Compounds	NOT SPECIFIED
Mercury Compounds	NOT SPECIFIED
Ethylene Glycol Monoethyl Ether	110-80-5
Lead Compounds	NOT SPECIFIED

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: AB5 D2A D2B

Section 16 - Other Information

HMIS Ratings:

Health: 2* Flammability: 4 Reactivity: 0 Personal Protection: X

VOLATILE ORGANIC COMPOUNDS, g/l: NA

REASON FOR REVISION:

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name:	Rust-Oleum High Performance Industrial Enamel Aerosol Topcoats (Hard Hat)	Revision Date:	01/12/2004
Identification Number:	V2123838, V2134838, V2147838, V2155838, V2156838, V2167838, V2170838, V2171838, V2174838, V2175838, V2178838, V2179838, V2183838, V2184838, V2188838, V2124838, V2125838, V2133838, V2137838, V2138838, V2143838, V2148838, V2163838, V2164838, V2177838, V2187838, V2190838, V2192838, V2196838, 209567		
Product Use/Class:	Topcoats/Aerosol		
Supplier:	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA	Manufacturer:	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA
Preparer:	Department, Regulatory		

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Acetone	67-64-1	30.0	500 PPM	750 PPM	750 PPM	N.E.
Liquified Petroleum Gas	68476-86-8	30.0	1000 PPM	N.E.	1000 PPM	N.E.
Alkyd Resin	MIXTURE	20.0	N.E.	N.E.	N.E.	N.E.
Titanium Dioxide	13463-67-7	15.0	10 mg/m3	N.E.	10 mg/m3	N.E.
Magnesium Silicate	14807-96-6	15.0	10 mg/m3	N.E.	15 mg/m3	N.E.
N-Butyl Acetate	123-86-4	10.0	150 PPM	N.E.	150 PPM	N.E.
Xylene	1330-20-7	10.0	100 PPM	150 PPM	100 PPM	N.E.
Methyl Ethyl Ketone	78-93-3	10.0	200 PPM	300 PPM	200 PPM	N.E.
Barium Sulfate	7727-43-7	10.0	10 mg/m3	N.E.	15 mg/m3	N.E.
Toluene	108-88-3	10.0	50 PPM	N.E.	200 PPM	300 PPM
Ethylene Glycol Monobutyl Ether	111-76-2	5.0	20 PPM	N.E.	50 PPM	N.E.
Stoddard Solvents	8052-41-3	5.0	100 PPM	N.E.	500 PPM	N.E.
Ethylbenzene	100-41-4	5.0	100 PPM	125 PPM	100 PPM	N.E.
Aromatic Hydrocarbon	64742-95-6	5.0	N.E.	N.E.	N.E.	N.E.
Pigment Red 170	2786-76-7	5.0	N.E.	N.E.	N.E.	N.E.
1,2,4-Trimethylbenzene	95-63-6	5.0	25 PPM	N.E.	N.E.	N.E.
Pigment Black 7	1333-86-4	5.0	3.5 mg/m3	N.E.	3.5 mg/m3	N.E.
Pigment Orange 34	15793-73-4	5.0	2 mg/m3	N.E.	5 mg/m3	N.E.
Pigment Yellow 17	4531-49-1	5.0	2 mg/m3	N.E.	5 mg/m3	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Contents Under Pressure. Vapors may cause flash fire or explosion. Extremely flammable liquid and vapor. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Harmful if swallowed.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Prolonged or repeated contact may cause skin irritation. May be harmful if absorbed through skin. Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing vapors or mists. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: IARC lists Ethylbenzene as a possible human carcinogen (group 2B). May cause central nervous system disorder (e,g.,narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. Overexposure to toluene in laboratory animals has been associated with liver abnormalities, kidney, lung and spleen damage. Effects in humans have included liver and cardiac abnormalities. Overexposure to methyl ethyl ketone in laboratory animals has been associated with liver abnormalities, kidney and lung damage. Fetotoxic/embryotoxic effects from inhalation have been seen in rats exposed to >1000ppm during gestation.
Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hampster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.
Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Govermental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula.

Primary Route(s) Of Entry: Skin Absorption, Inhalation, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: -156 F
(Setaflash)

LOWER EXPLOSIVE LIMIT: 1.0 %
UPPER EXPLOSIVE LIMIT : 22.7 %

Extinguishing Media: Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: Keep containers tightly closed. Perforation of the pressurized container may cause bursting of the can. Vapors can travel to a source of ignition and flash back. Vapors may form explosive mixtures with air. Closed containers may explode when exposed to extreme heat. FLASH POINT IS LESS THAN 20 °. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Isolate from heat, electrical equipment, sparks and open flame.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

Section 7 - Handling And Storage

Handling: Use only in a well-ventilated area. Avoid breathing vapor or mist. Wash thoroughly after handling. Wash hands before eating. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Boiling Range:	130 - 410 F	Vapor Density:	Heavier than Air
Odor:	Solvent-like	Odor Threshold:	ND
Appearance:	Liquid	Evaporation Rate:	Faster than Ether
Solubility in H2O:	Slight		
Freeze Point:	ND	Specific Gravity:	0.8660
Vapor Pressure:	ND	PH:	ND
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid all possible sources of ignition. Avoid temperatures above 120 ° F.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

Chemical Name	LD50	LC50
Acetone	N.D.	N.D.
Liquified Petroleum Gas	N.D.	N.D.
Alkyd Resin	N.D.	N.D.
Titanium Dioxide	>7500 mg/kg (ORAL, RAT)	N.D.
Magnesium Silicate	N.D.	TCLo:11mg/m3 inh.
N-Butyl Acetate	13100 mg/kg (ORAL, RAT)	2000 PPM (INH 4 Hr, RAT)
Xylene	N.D.	N.D.
Methyl Ethyl Ketone	N.D.	N.D.
Barium Sulfate	N.D.	N.D.
Toluene	N.D.	N.D.
Ethylene Glycol Monobutyl Ether	1519 mg/kg (ORAL, MOUSE)	700 PPM (INH 7 Hr, RAT)
Stoddard Solvents	N.D.	N.D.
Ethylbenzene	3500 mg/kg (ORAL, RAT)	N.D.
Aromatic Hydrocarbon	N.D.	N.D.
Pigment Red 170	> 10000 mg/kg (ORAL, RAT)	N.D.
1,2,4-Trimethylbenzene	N.D.	18000 mg/m3

		(RAT, 4 HR)
Pigment Black 7	>8000 mg/kg (ORAL, RAT)	N.D.
Pigment Orange 34	15000 mg/kg (ORAL, RAT)	N.D.
Pigment Yellow 17	N.D.	N.D.

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Aerosol	Packing Group:	—
DOT Technical Name:	—	Hazard Subclass:	.1
DOT Hazard Class:	2	Resp. Guide Page:	126
DOT UN/NA Number:	UN 1950		

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS Number
Xylene	1330-20-7
Methyl Ethyl Ketone	78-93-3
Toluene	108-88-3
Ethylene Glycol Monobutyl Ether	111-76-2
Ethylbenzene	100-41-4
Aromatic Hydrocarbon	64742-95-6
1,2,4-Trimethylbenzene	95-63-6

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None known

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

none

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name	CAS Number
Calcium Carbonate	1317-65-3
Yellow Iron Oxide	51274-00-1

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS Number
Microcrystalline Silica	14808-60-7
Propylene Oxide	75-56-9
Arsenic Compounds	NOT SPECIFIED
Lead Compounds	NOT SPECIFIED
Cadmium Compounds	NOT SPECIFIED
Acetaldehyde	75-07-0
Nickel Compounds	NOT SPECIFIED
Formaldehyde	50-00-0
Benzene	71-43-2
Ethylene Oxide	75-21-8

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

Chemical Name	CAS Number
Toluene	108-88-3
Propylene Oxide	75-56-9
Arsenic Compounds	NOT SPECIFIED
Lead Compounds	NOT SPECIFIED
Cadmium Compounds	NOT SPECIFIED
Mercury Compounds	NOT SPECIFIED
Ethylene Glycol Monoethyl Ether	110-80-5
Benzene	71-43-2
Ethylene Oxide	75-21-8

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: AB5 D2A D2B

Section 16 - Other Information

HMIS Ratings:

Health: 2 Flammability: 4 Reactivity: 0 Personal Protection: X

VOLATILE ORGANIC COMPOUNDS, g/l: 550Max

REASON FOR REVISION:

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name: Painters Touch Aerosol Top Coats

Revision Date: 08/06/2003

Identification Number: 1970830, 1979830, 1925830, 1931830, 1941830, 1952830, 1961830, 1962830, 1965830, 1922830, 1926830, 1930830, 1933830, 1938830, 1945830, 1946830, 1949830, 1950830, 1953830, 1963830, 1964830, 1966830, 1967830, 1974830, 1976830, 1977830, 1979830, 1982830, 1986830, 1992830, 1994830, 1995830, 1996830, 1924830, 1927830, 1934830, 1947830, 1948830, 1951830, 1971830, 1972830, 1973830, 1975830, 1990830, 1993830

Product Use/Class: Topcoats/Aerosol

Supplier: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Preparer: Department, Regulatory

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Acetone	67-64-1	40.0	500 PPM	750 PPM	750 PPM	N.E.
Liquified Petroleum Gas	68476-86-7	35.0	1000 PPM	N.E.	1000 PPM	N.E.
Toluene	108-88-3	20.0	50 PPM	N.E.	200 PPM	300 PPM
Modified Alkyd	PROPRIETARY	20.0	N.E.	N.E.	N.E.	N.E.
Titanium Dioxide	13463-67-7	15.0	10 mg/m3	N.E.	10 mg/m3	N.E.
Xylene	1330-20-7	15.0	100 PPM	150 PPM	100 PPM	N.E.
Aliphatic Petroleum Distillates	64742-89-8	15.0	400 PPM	N.E.	400 PPM	N.E.
Super High Flash Naphtha	64742-95-6	10.0	N.E.	N.E.	N.E.	N.E.
Naphtha	8032-32-4	10.0	300 PPM	N.E.	N.E.	N.E.
Stoddard Solvents	8052-41-3	10.0	100 PPM	N.E.	500 PPM	N.E.
Barium Sulfate	7727-43-7	10.0	10 mg/m3	N.E.	15 mg/m3	N.E.
Magnesium Silicate	14807-96-6	5.0	10 mg/m3	N.E.	15 mg/m3	N.E.
Ethylbenzene	100-41-4	5.0	100 PPM	125 PPM	100 PPM	N.E.
Aliphatic Hydrocarbon	MIXTURE	5.0	300 PPM	N.E.	300 PPM	N.E.
Aromatic Hydrocarbon	64742-95-6	5.0	N.E.	N.E.	N.E.	N.E.
1,2,4-Trimethylbenzene	95-63-6	5.0	25 PPM	N.E.	N.E.	N.E.
Pigment Red 170	2786-76-7	5.0	N.E.	N.E.	N.E.	N.E.
Pigment Black 7	1333-86-4	5.0	3.5 mg/m3	N.E.	3.5 mg/m3	N.E.
Pigment Green 7	1328-53-6	5.0	N.E.	N.E.	N.E.	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Contents Under Pressure. Vapors may cause flash fire or explosion. Extremely flammable liquid and vapor. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache

or nausea. Harmful if swallowed.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Prolonged or repeated contact may cause skin irritation. Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing vapors or mists. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: IARC lists Ethylbenzene as a possible human carcinogen (group 2B). May cause central nervous system disorder (e,g.,narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. Overexposure to toluene in laboratory animals has been associated with liver abnormalities, kidney, lung and spleen damage. Effects in humans have included liver and cardiac abnormalities.
Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hampster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.
Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Govermental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: -156 F
(Setaflash)

LOWER EXPLOSIVE LIMIT: 0.9 %
UPPER EXPLOSIVE LIMIT : 12.5 %

Extinguishing Media: Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: Keep containers tightly closed. Perforation of the pressurized container may cause bursting of the can. Vapors can travel to a source of ignition and flash back. Vapors may form explosive mixtures with air. Closed containers may explode when exposed to extreme heat. FLASH POINT IS LESS THAN 20 °. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Isolate from heat, electrical equipment, sparks and open flame.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

Section 7 - Handling And Storage

Handling: Use only in a well-ventilated area. Avoid breathing vapor or mist. Wash thoroughly after handling. Wash hands before eating. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Boiling Range:	-34 - 338 F	Vapor Density:	Heavier than air
Odor:	Solvent Like	Odor Threshold:	ND
Appearance:	Liquid	Evaporation Rate:	Faster than Ether
Solubility in H2O:	Slight		
Freeze Point:	ND	Specific Gravity:	
Vapor Pressure:		PH:	NE
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid all possible sources of ignition. Avoid temperatures above 120 ° F.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

Chemical Name	LD50	LC50
Acetone	N.D.	N.D.
Liquified Petroleum Gas	N.D.	N.D.
Toluene	N.D.	N.D.
Modified Alkyd	N.D.	N.D.
Titanium Dioxide	>7500 mg/kg (ORAL, RAT)	N.D.
Xylene	N.D.	N.D.
Aliphatic Petroleum Distillates	N.D.	N.D.
Super High Flash Naphtha	4700 mg/kg (ORAL, RAT)	3670 mg/kg (INH, RAT)
Naphtha	>5000 mg/kg (ORAL, RAT)	N.D.
Stoddard Solvents	N.D.	N.D.
Barium Sulfate	N.D.	N.D.
Magnesium Silicate	N.D.	TCLo:11mg/m3 inh.
Ethylbenzene	3500 mg/kg (ORAL, RAT)	N.D.
Aliphatic Hydrocarbon	N.D.	N.D.
Aromatic Hydrocarbon	N.D.	N.D.

1,2,4-Trimethylbenzene	N.D.	18000 mg/m3 (RAT, 4 HR)
Pigment Red 170	> 10000 mg/kg (ORAL, RAT)	N.D.
Pigment Black 7	>8000 mg/kg (ORAL, RAT)	N.D.
Pigment Green 7	>5000 mg/kg (ORAL, RAT)	N.D.

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Aerosol	Packing Group:	—
DOT Technical Name:	—	Hazard Subclass:	1
DOT Hazard Class:	2	Resp. Guide Page:	126
DOT UN/NA Number:	UN 1950		

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS Number
Toluene	108-88-3
Xylene	1330-20-7
Ethylbenzene	100-41-4
Aromatic Hydrocarbon	64742-95-6
1,2,4-Trimethylbenzene	95-63-6
Pigment Green 7	1328-53-6

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None known

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name	CAS Number
Modified Alkyd	PROPRIETARY

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name	CAS Number
Modified Alkyd	PROPRIETARY
Calcium Carbonate	1317-65-3
Red Iron Oxide	1332-37-2
Iron Oxide	1309-37-1

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS Number
Microcrystalline Silica	14808-60-7
Naphthalene	91-20-3
Benzene	71-43-2
Arsenic Compounds	NOT SPECIFIED
Propylene Oxide	75-56-9
Lead Compounds	NOT SPECIFIED
Beryllium Compounds	NOT SPECIFIED
Cobalt Compounds	NOT SPECIFIED
Nickel Compounds	NOT SPECIFIED
Chromium (Hexavalent) Compounds	NOT SPECIFIED
Cadmium Compounds	NOT SPECIFIED
Formaldehyde	50-00-0
Acetaldehyde	75-07-0

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

Chemical Name	CAS Number
Toluene	108-88-3
Benzene	71-43-2
Arsenic Compounds	NOT SPECIFIED

Propylene Oxide	75-56-9
Lead Compounds	NOT SPECIFIED
Cadmium Compounds	NOT SPECIFIED
Mercury Compounds	NOT SPECIFIED

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: AB5 D2A D2B

Section 16 - Other Information

HMIS Ratings:

Health: 2* Flammability: 4 Reactivity: 0 Personal Protection: X

VOLATILE ORGANIC COMPOUNDS, g/l: NA

REASON FOR REVISION:

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name:	Touch N Tone Aerosol - Aluminum	Revision Date:	09/09/2003
Identification Number:	55273830		
Product Use/Class:	Aerosol		
Supplier:	Rust-Oleum Corporation *11 Hawthorn Parkway* Vernon Hills, IL 60061 USA	Manufacturer:	Rust-Oleum Corporation *11 Hawthorn Parkway* Vernon Hills, IL 60061 USA
Preparer:	Department, Regulatory		

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Liquified Petroleum Gas	68476-86-8	35.0	1000 PPM	N.E.	1000 PPM	N.E.
Acetone	67-64-1	30.0	500 PPM	750 PPM	750 PPM	N.E.
Toluene	108-88-3	25.0	50 PPM	N.E.	200 PPM	300 PPM
Acrylic Copolymer	PROPRIETARY	10.0	50 ppm	N.E.	200 ppm	300 ppm
Xylene	1330-20-7	10.0	100 PPM	150 PPM	100 PPM	N.E.
Aluminum Flake	7429-90-5	5.0	10 mg/m3	N.E.	15 mg/m3	N.E.
Ethylbenzene	100-41-4	5.0	100 PPM	125 PPM	100 PPM	N.E.
Stoddard Solvents	8052-41-3	5.0	100 PPM	N.E.	500 PPM	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Contents Under Pressure. Vapors may cause flash fire or explosion. Extremely flammable liquid and vapor. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Harmful if swallowed.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Prolonged or repeated contact may cause skin irritation. Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing vapors or mists. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: IARC lists Ethylbenzene as a possible human carcinogen (group 2B). May cause central nervous system disorder (e,g.,narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged

occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage. Overexposure to toluene in laboratory animals has been associated with liver abnormalities, kidney, lung and spleen damage. Effects in humans have included liver and cardiac abnormalities.

Primary Route(s) Of Entry: Skin Absorption, Inhalation, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: -156 F
(Setaflash)

LOWER EXPLOSIVE LIMIT: 0.9 %
UPPER EXPLOSIVE LIMIT : 12.8 %

Extinguishing Media: Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: Keep containers tightly closed. Perforation of the pressurized container may cause bursting of the can. Vapors can travel to a source of ignition and flash back. Vapors may form explosive mixtures with air. Closed containers may explode when exposed to extreme heat. FLASH POINT IS LESS THAN 20 °. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Isolate from heat, electrical equipment, sparks and open flame.

Special Firefighting Procedures: Evacuate area and fight fire from a safe distance.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

Section 7 - Handling And Storage

Handling: Use only in a well-ventilated area. Avoid breathing vapor or mist. Wash thoroughly after handling. Wash hands before eating. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F. Keep

containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Boiling Range:	69 - 698 F	Vapor Density:	Heavier than Air
Odor:	Solvent Like	Odor Threshold:	ND
Appearance:	Liquid	Evaporation Rate:	Faster than Ether
Solubility in H2O:	Slight		
Freeze Point:	ND	Specific Gravity:	0.729
Vapor Pressure:	ND	PH:	NE
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid all possible sources of ignition. Flammable hydrogen gas will evolve when product comes in contact with water or damp air. Heat will be generated. The amount of heat generated will depend upon the volume of material in contact. Avoid temperatures above 120 ° F.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

Chemical Name	LD50	LC50
Liquified Petroleum Gas	N.D.	N.D.
Acetone	N.D.	N.D.
Toluene	N.D.	N.D.
Acrylic Copolymer	>5000 MG/M3	N.D.
Xylene	N.D.	N.D.
Aluminum Flake	N.D.	N.D.
Ethylbenzene	3500 mg/kg (ORAL, RAT)	N.D.
Stoddard Solvents	N.D.	N.D.

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Aerosol	Packing Group:	—
DOT Technical Name:	—	Hazard Subclass:	1
DOT Hazard Class:	2	Resp. Guide Page:	126
DOT UN/NA Number:	UN1950		

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS Number
Toluene	108-88-3
Xylene	1330-20-7

Ethylbenzene 100-41-4

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

None

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

None

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS Number
Benzene	71-43-2
Formaldehyde	50-00-0
Acetaldehyde	75-07-0

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

Chemical Name	CAS Number
Toluene	108-88-3
Benzene	71-43-2

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: AB5 D2A D2B

Section 16 - Other Information

HMIS Ratings:

Health: 2* Flammability: 4 Reactivity: 0 Personal Protection: X

VOLATILE ORGANIC COMPOUNDS, g/l: 615

REASON FOR REVISION: Regulatory Update

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

ENVIRONMENTAL DATA SHEET
(Certified Product Data Sheet)

01 00 [1363]

THE SHERWIN-WILLIAMS CO.
DUPLI-COLOR Products Group
Cleveland, OH 44115
24-MAY-04

This document includes all data required by 40 CFR 63.801(a) for a Certified Product Data Sheet under criteria specified in 40 CFR 63.805(a).
All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED. Variations may occur on individual batches due to adjustments made during production.

PRODUCT NUMBER
NGGM484

* - Trade Mark

PRODUCT NAME
DUPLICOLOR* Lacquer Paint, BRIGHT GREEN (M)

PRODUCT WEIGHT	SPECIFIC GRAVITY	FLASH POINT
7.62 lb/gal	0.92	20 F PMCC

HAZARD CATEGORY (for SARA 311/312)
Acute Fire

	SARA 302 EHS	CERC.	SARA 313 TC	HAPS 112	Pct by Wt	Pct by Vol
VOLATILE INGREDIENTS						
Toluene 108-88-3	N	Y	Y	Y	22	23
2-Propanol 67-63-0	N	N	N	N	4	4
Methyl Ethyl Ketone 78-93-3	N	Y	Y	Y	22	25
Methyl Isobutyl Ketone 108-10-1	N	Y	Y	Y	12	14
Ethyl 3-Ethoxypropionate 763-69-9	N	N	N	N	15	14
NON-VOLATILE INGREDIENTS						
Butyl Benzyl Phthalate 85-68-7	N	Y	N	N	4	3

Continued on page 2

VOLATILE ORGANIC COMPOUNDS (follows U.S. EPA VOC Data Sheet)

A.	Coating Density	7.62 lb/gal	912 g/l
B.	Total Volatiles	76.4 % by wt.	82.9 % by vol.
C.	Federally exempt solvents:		
	Water	0.0 % by wt.	0.0 % by vol.
	Acetone	0.0 % by wt.	0.0 % by vol.
D.	Organic Volatiles	76.3 % by wt.	82.8 % by vol.
E.	Percent Non-Volatile	23.6 % by wt.	17.1 % by vol.
F.	VOC Content	5.81 lb/gal	696 g/l total
	1.	5.81 lb/gal	696 g/l less exempt solvents
	2.	33.91 lb/gal	4063 g/l solids
		3.22 lb/lb	3.22 kg/kg solids

HAZARDOUS AIR POLLUTANTS (Clean Air Act, Section 112(b))

Volatile HAPS Pounds per Gallon	4.25 lbs/gal
Volatile HAPS Pounds per Gallon of Solids	24.81 lbs/gal
Volatile HAPS Pounds per Pound of Solids	2.36 lbs/lb

AIR QUALITY DATA

Density of Organic Solvent Blend	7.02 lbs/gal
Photochemically Reactive	YES
Maximum Incremental Reactivity (MIR) (per California Air Resources Board Method 310 proposed amendments for aerosol products)	2.34

WASTE DISPOSAL

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Addition of reducers or other additives to this product may substantially alter the above data. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.